

Zhao Jin

List of Publications by Year in descending order

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63
papers

2,544
citations

159585

30
h-index

197818

49
g-index

64
all docs

64
docs citations

64
times ranked

2707
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil pH changes in a small catchment on the Chinese Loess Plateau after long-term vegetation rehabilitation. <i>Ecological Engineering</i> , 2022, 175, 106503.	3.6	7
2	Differences in soil water and nutrients under catchment afforestation and natural restoration shape herbaceous communities on the Chinese Loess Plateau. <i>Forest Ecology and Management</i> , 2022, 505, 119925.	3.2	8
3	Nickel Phosphide Coated with Ultrathin Nitrogen Doped Carbon Shell as a Highly Durable and Active Catalyst towards Hydrogen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2022, , .	3.3	1
4	Spatiotemporal soil water storage variation comparison between newly formed and untreated gully land sites under a land restoration project and associated implications on land management. <i>Ecological Engineering</i> , 2022, 180, 106670.	3.6	1
5	Precise Molecular-Level Modification of Nafion with Bismuth Oxide Clusters for High-Performance Proton-Exchange Membranes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6076-6085.	13.8	86
6	Precise Molecular-Level Modification of Nafion with Bismuth Oxide Clusters for High-Performance Proton-Exchange Membranes. <i>Angewandte Chemie</i> , 2021, 133, 6141-6150.	2.0	16
7	The genesis, development, and evolution of original vertical joints in loess. <i>Earth-Science Reviews</i> , 2021, 214, 103526.	9.1	38
8	Stable isotope analysis of soil and plant water in a pair of natural grassland and understory of planted forestland on the Chinese Loess Plateau. <i>Agricultural Water Management</i> , 2021, 249, 106800.	5.6	13
9	Rill development and its change rate: a field experiment under constant rainfall intensity. <i>Catena</i> , 2021, 199, 105112.	5.0	7
10	Effects of Topography on Planted Trees in a Headwater Catchment on the Chinese Loess Plateau. <i>Forests</i> , 2021, 12, 792.	2.1	9
11	The critical mechanics of the initiation of loess flow failure and implications for landslides. <i>Engineering Geology</i> , 2021, 288, 106165.	6.3	12
12	Complex anthropogenic interaction on vegetation greening in the Chinese Loess Plateau. <i>Science of the Total Environment</i> , 2021, 778, 146065.	8.0	57
13	Soil quality assessment in different dammed-valley farmlands in the hilly-gully mountain areas of the northern Loess Plateau, China. <i>Journal of Arid Land</i> , 2021, 13, 777-789.	2.3	4
14	Tuning the oxidation state of Ru to surpass Pt in hydrogen evolution reaction. <i>Nano Research</i> , 2021, 14, 4321-4327.	10.4	19
15	Global Isotopic Hydrograph Separation Research History and Trends: A Text Mining and Bibliometric Analysis Study. <i>Water (Switzerland)</i> , 2021, 13, 2529.	2.7	9
16	Nanocluster PtNiP supported on graphene as an efficient electrocatalyst for methanol oxidation reaction. <i>Nano Research</i> , 2021, 14, 2853-2860.	10.4	39
17	Boosting Both Electrocatalytic Activity and Durability of Metal Aerogels via Intrinsic Hierarchical Porosity and Continuous Conductive Network Backbone Preservation. <i>Advanced Energy Materials</i> , 2021, 11, 2002276.	19.5	24
18	Proton exchange membrane fuel cells powered with both CO and H ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33

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19	CO ₂ -Tolerant PEMFC Anodes Enabled by Synergistic Catalysis between Iridium Single-Atom Sites and Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26177-26183.	13.8	81
20	CO ₂ -Tolerant PEMFC Anodes Enabled by Synergistic Catalysis between Iridium Single-Atom Sites and Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 26381.	2.0	9
21	Development and evolution of Loess vertical joints on the Chinese Loess Plateau at different spatiotemporal scales. <i>Engineering Geology</i> , 2020, 265, 105372.	6.3	44
22	Recent anthropogenic curtailing of Yellow River runoff and sediment load is unprecedented over the past 500 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18251-18257.	7.1	77
23	Storm runoff generation in headwater catchments on the Chinese Loess Plateau after long-term vegetation rehabilitation. <i>Science of the Total Environment</i> , 2020, 748, 141375.	8.0	32
24	Stabilized Pt Cluster-Based Catalysts Used as Low-Loading Cathode in Proton-Exchange Membrane Fuel Cells. <i>ACS Energy Letters</i> , 2020, 5, 3021-3028.	17.4	39
25	Preferentially Engineering FeN ₄ Edge Sites onto Graphitic Nanosheets for Highly Active and Durable Oxygen Electrocatalysis in Rechargeable Zn-Air Batteries. <i>Advanced Materials</i> , 2020, 32, e2004900.	21.0	235
26	Bridge Bonded Oxygen Ligands between Approximated FeN ₄ Sites Confer Catalysts with High ORR Performance. <i>Angewandte Chemie</i> , 2020, 132, 14027-14032.	2.0	40
27	Bridge Bonded Oxygen Ligands between Approximated FeN ₄ Sites Confer Catalysts with High ORR Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13923-13928.	13.8	176
28	Micro-topographic assessment of rill morphology highlights the shortcomings of current protective measures in loess landscapes. <i>Science of the Total Environment</i> , 2020, 737, 139721.	8.0	14
29	The complete chloroplast genome of <i>Potentilla chinensis</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 1180-1181.	0.4	1
30	Effects of valley reshaping and damming on surface and groundwater nitrate on the Chinese Loess Plateau. <i>Journal of Hydrology</i> , 2020, 584, 124702.	5.4	19
31	Reactant friendly hydrogen evolution interface based on di-anionic MoS ₂ surface. <i>Nature Communications</i> , 2020, 11, 1116.	12.8	108
32	Divergent spatial responses of plant and ecosystem water-use efficiency to climate and vegetation gradients in the Chinese Loess Plateau. <i>Global and Planetary Change</i> , 2019, 181, 102995.	3.5	37
33	Spatial variation and soil nitrogen potential hotspots in a mixed land cover catchment on the Chinese Loess Plateau. <i>Journal of Mountain Science</i> , 2019, 16, 1353-1366.	2.0	3
34	Intensive land restoration profoundly alters the spatial and seasonal patterns of deep soil water storage at watershed scales. <i>Agriculture, Ecosystems and Environment</i> , 2019, 280, 129-141.	5.3	18
35	Revegetation has increased ecosystem water-use efficiency during 2000-2014 in the Chinese Loess Plateau: Evidence from satellite data. <i>Ecological Indicators</i> , 2019, 102, 507-518.	6.3	68
36	Exploring the role of land restoration in the spatial patterns of deep soil water at watershed scales. <i>Catena</i> , 2019, 172, 387-396.	5.0	35

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37	Effects of afforestation on soil and ambient air temperature in a pair of catchments on the Chinese Loess Plateau. <i>Catena</i> , 2019, 175, 356-366.	5.0	12
38	Valley reshaping and damming induce water table rise and soil salinization on the Chinese Loess Plateau. <i>Geoderma</i> , 2019, 339, 115-125.	5.1	63
39	Quantification of the ecosystem carrying capacity on China's Loess Plateau. <i>Ecological Indicators</i> , 2019, 101, 192-202.	6.3	51
40	Soil moisture response to rainfall on the Chinese Loess Plateau after a long-term vegetation rehabilitation. <i>Hydrological Processes</i> , 2018, 32, 1738-1754.	2.6	67
41	The Clustering of Severe Dust Storm Occurrence in China From 1958 to 2007. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8035-8046.	3.3	18
42	TePbPt alloy nanotube as electrocatalyst with enhanced performance towards methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16798-16803.	10.3	25
43	Micro Galvanic Cell To Generate PtO and Extend the Triple-Phase Boundary during Self-Assembly of Pt/C and Nafion for Catalyst Layers of PEMFC. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38165-38169.	8.0	11
44	Separating Vegetation Greening and Climate Change Controls on Evapotranspiration trend over the Loess Plateau. <i>Scientific Reports</i> , 2017, 7, 8191.	3.3	72
45	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. <i>Global Change Biology</i> , 2017, 23, 1328-1337.	9.5	154
46	Soil Organic Carbon Stocks in Deep Soils at a Watershed Scale on the Chinese Loess Plateau. <i>Soil Science Society of America Journal</i> , 2016, 80, 157-167.	2.2	55
47	Comparing watershed black locust afforestation and natural revegetation impacts on soil nitrogen on the Loess Plateau of China. <i>Scientific Reports</i> , 2016, 6, 25048.	3.3	21
48	Soil N retention and nitrate leaching in three types of dunes in the Mu Us desert of China. <i>Scientific Reports</i> , 2015, 5, 14222.	3.3	48
49	A Study on the Streamflow Change and its Relationship with Climate Change and Ecological Restoration Measures in a Sediment Concentrated Region in the Loess Plateau, China. <i>Water Resources Management</i> , 2015, 29, 4045-4060.	3.9	38
50	The creation of farmland by gully filling on the Loess Plateau: a double-edged sword. <i>Environmental Science & Technology</i> , 2014, 48, 883-884.	10.0	40
51	Natural vegetation restoration is more beneficial to soil surface organic and inorganic carbon sequestration than tree plantation on the Loess Plateau of China. <i>Science of the Total Environment</i> , 2014, 485-486, 615-623.	8.0	91
52	Late Cenozoic Climate Change in Monsoon-Arid Asia and Global Changes. <i>Developments in Paleoenvironmental Research</i> , 2014, , 491-581.	8.0	22
53	CHARACTERIZING VARIATIONS IN SOIL PARTICLE SIZE DISTRIBUTION ALONG A GRASS-DESERT SHRUB TRANSITION IN THE ORDOS PLATEAU OF INNER MONGOLIA, CHINA. <i>Land Degradation and Development</i> , 2013, 24, 141-146.	3.9	37
54	How Many Check Dams Do We Need To Build on the Loess Plateau?. <i>Environmental Science & Technology</i> , 2012, 46, 8527-8528.	10.0	64

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55	Soil respiration and net primary productivity in perennial grass and desert shrub ecosystems at the Ordos Plateau of Inner Mongolia, China. <i>Journal of Arid Environments</i> , 2010, 74, 1248-1256.	2.4	14
56	Spatial Heterogeneity of Soil Nutrients and Respiration in the Desertified Grasslands of Inner Mongolia, China. <i>Pedosphere</i> , 2010, 20, 655-665.	4.0	27
57	Soil heterotrophic respiration in <i>Casuarina equisetifolia</i> plantation at different stand ages. <i>Journal of Forestry Research</i> , 2009, 20, 301-306.	3.6	6
58	Seasonal patterns of soil respiration in three types of communities along grass-desert shrub transition in Inner Mongolia, China. <i>Advances in Atmospheric Sciences</i> , 2009, 26, 503-512.	4.3	11
59	Precipitation Pulses and Soil CO ₂ Emission in Desert Shrubland of <i>Artemisia ordosica</i> on the Ordos Plateau of Inner Mongolia, China. <i>Pedosphere</i> , 2009, 19, 799-807.	4.0	24
60	Diurnal and seasonal dynamics of soil respiration in desert shrubland of <i>Artemisia Ordosica</i> on Ordos Plateau of Inner Mongolia, China. <i>Journal of Forestry Research</i> , 2007, 18, 231-235.	3.6	13
61	Storage of biomass and net primary productivity in desert shrubland of <i>Artemisia ordosica</i> on Ordos Plateau of Inner Mongolia, China. <i>Journal of Forestry Research</i> , 2007, 18, 298-300.	3.6	16
62	Litter production, seasonal pattern and nutrient return in seven natural forests compared with a plantation in southern China. <i>Forestry</i> , 2005, 78, 403-415.	2.3	47
63	Carbon and nitrogen pools in Chinese fir and evergreen broadleaved forests and changes associated with felling and burning in mid-subtropical China. <i>Forest Ecology and Management</i> , 2005, 216, 216-226.	3.2	78